

Nov. 1895.

M. Valle, Minor Planets.

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Observations of Minor Planets made with the 15-inch Equatorial of the National Mexican Observatory, Tacubaya.
By Felipe Valle.

(Communicated by the Secretaries.)

Long. W. 6^h 36^m 46^s.53.

Lat. N. 19° 24' 17".5.

Date.	Tacubaya Mean Time.	Planet Aa.	Star Δδ.	No. of Comps.	Ob- server.	Planet App. R.A.	Log $p \times \Delta$ of Parallaxic Factor.	Planet App. Decl.	Log $p \times \Delta$ of Parallaxic Factor.	Red. to App. Place.	No. of Star.
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176 *Idunna*.

1894.	h	m	s	m	s	h	m	s	o	'	"	s	.	"	1 ⁰⁰
Oct. 3	11	32	58	+1	41.11	-1	5.84	5-5	F. V.	+0.131	+3.44	+23.90	1
6	9	52	57	-1	17.21	-1	37.58	4-4	"	0 19	7.32	+9.302	+3.46	+24.15	2
8	11	20	3	-0	38.34	-0	26.80	6-6	"	0 17	55.23	+8.522	+3.46	+24.15	3 ^a
9	10	6	56	-0	58.34	+4	16.35	6-6	"	0 17	22.80	9.129 ⁿ	+3.48	+24.32	4
10	8	53	5	+2	1.00	-3	10.41	5-5	"	0 16	50.71	9.465 ⁿ	+3.47	+24.24	5
11	8	47	29	-1	37.39	-6	22.32	6-6	"	0 16	17.94	9.419 ⁿ	+3.48	+24.35	6

190 *Ismene*.

Nov. 5	10	9	17	+1	0.93	+0	55.44	6-6	F. V.	2 18	23.57	9.213 ⁿ	+8	5	4.8	+0.248	+3.82	+25.25	7
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Date.	Tacubaya Mean Time.			Planet $\Delta\alpha$.	Star $\Delta\delta$.	No. of Comps. serv.	Planet App. R.A.	Log $p \times \Delta$ of Parallaxic Factor.	Planet App. Decl.	Log $p \times \Delta$ of Parallaxic Factor.	Red. to App. Place.	No. of Star.
(28) <i>Bellona</i> .												
1894. Dec. 4	h 8	m 20	s 20	+0 51'35	-5 32'90	11-11	P. S.	9'694 n	+8 49 4'3	+0'357	+4'39 +14'04	8
17	8	0	51	-0 28'79	+0 37'72	12-12	"	9'638 n	+8 57 18'8	+0'314	+4'55 +13'65	9
27	9	11	8	-1 2'07	+0 24'85	7-7	F. V.	9'302 n	+9 21 15'9	+0'208	+4'62 +13'69	10
28	10	3	26	-1 50'54	+3 55'44	5-5	"	8'807 n	+9 24 35'6	+0'183	+4'62 +13'61	10
29	9	37	17	+2 30'36	-2 4'59	5-5	"	9'066 n	...	+0'187	+4'62 +14'03	11
(76) <i>Freia</i> .												
Dec. 28	9	4	40	+1 5'91	+1 43'66	6-6	F. V.	9'366 n	+20 28 3'2	+8'703	+4'95 +14'62	12
29	8	47	40	+0 24'51	+0 44'93	8-8	"	9'418 n	+20 27 4'4	+9'072	+4'96 +14'63	12
30	8	41	46	+0 57'67	+0 31'62	5-5	"	9'366 n	+20 23 28'1	+8'786	+4'96 +14'95	13
(164) <i>Eva</i> .												
Dec. 31	10	1	2	+1 2'93	-0 36'05	7-7	F. V.	9'346 n	+35 46 10'4	0'352 n	+5'82 +9'72	14
1895. Jan. 2	9	37	3	-1 1'89	-1 29'48	7-7	"	9'415 n	+36 1 55'1	0'340 n	+1'81 +9'89	15
3	9	6	15	+0 24'73	-2 31'27	7-7	"	9'519 n	+36 9 6'7	0'293 n	+1'81 +9'98	16
4	10	56	11	+1 36'82	+0 36'85	4-4	"	+7'486	+36 16 49'9	0'413 n	+1'81 +10'22	17

Note.—The observations marked "P. S." were made by Señor Pedro Sanchez.

Comparison Stars.				Date.	Observed—Calculated $\Delta\alpha$.	Ephem. $\Delta\delta$.
No. of Star.	α 1894 ^o .	δ 1894 ^o .	Authority.			
(176) <i>Idunna</i> .						
Ia	h m s	o ' ' "	B. D. + 10 ^h 39 (9.3)		s	"
1	(1a + 1 31.64)	(1a — 3 50.02)	Anon. (10.5). Ref. to 1a	
2	0 20 21.07	+ 9 50 4.8	(8.6) A. G. Z. Leipzig	Oct. 6	+ 0.29	+ 6.1
3a	0 15 1.28	+ 9 20 55.85	(8.7) " "	
3b	0 18 30.11	+ 9 20 7.9	(10.0) = 3a + 3 ^m 28 ^s 83 — 0' 47".94	8	+ 0.50	+ 3.6
4	0 18 17.66	+ 9 2 11.7	(8.7) A. G. Z. Leipzig	9	+ 0.45	+ 5.6
5	0 14 46.24	+ 8 56 22.9	(8.8) A. G. Z. Leipzig	10	+ 0.22	+ 4.3
6	0 17 51.85	+ 8 45 41.4	(8.7) A. G. Z. Leipzig	11	+ 0.38	+ 4.0
(190) <i>Ismene</i> .						
7	2 17 18.82	+ 8 3 44.1	B. D. (8.2) + 7 ^h 0.375 = ξ^2 <i>Orti</i> { 5 ^m 12 ^s 55 } 4' 39".04	Nov. 5	+ 8.57	+ 29.1
28 <i>Bellona</i> .						
8	5 20 34.93	+ 8 54 23.2	(8.4) Glasgow 1326	Dec. 4	+ 0.01	— 2.7
9	5 9 55.03	+ 8 56 27.4	(8.3) Schjellerup 1693	17	— 0.42	+ 5.2
10	5 1 49.78	+ 9 20 26.5	(6.5) Cincinnati 12—313	27	+ 0.32	— 1.0
10	5 1 49.78	+ 9 20 26.5	" " "	28	+ 0.50	+ 4.2
11	4 56 42.93	...	(8.5) B. D. + 9 ^h 0.711	29	— 1.40	...
B. A. Jahrb.						
R. Luther.						
"						
"						
"						

No. of Star.	α 1894 ^o .	δ 1894 ^o .	Authority.	Date.	Observed—Calculated $\Delta\alpha$.	Ephem.
(76) <i>Freia</i> .						
12	5 56 ^m 19 ^s	+20° 26' 49"	B. D. +20° 900 (Merid. Circ., Tacubaya)	Dec. 28	+30 ^s 16 +28 ^s 6	B. A. Jahrb., 1896.
12	5 56 ^m 19 ^s	+20° 26' 49"	"	29	+30 ^s 18 +28 ^s 4	"
13	(13 ^a -9 ^s 45)	(13 ^a +3' 28 ^{''} 19)	B. D. +20° 889. Ref. to 13 ^a	"
13 ^a	5 2 55 ^m 75 ^s	+20° 19' 13 ^{''} 4	B. D. +20° 890 (Tacubaya meridian)	30	+30 ^s 17 +28 ^s 1	"
(164) <i>Eva</i> .						
14	5 57 37 ^m 32 ^s	+35° 46' 36 ^{''} 7	B. D. +35° 1328	Dec. 31	...	B. A. Jahrb.
1895 ^o .						
{ 15	5 57 5 ^m 88 ^s	+36° 3' 14 ^{''} 7	B. D. +36° 1344 = 15 ^a { -3 ^m 45 ^s 10 ^{''} }	1895.	...	"
{ 15 ^a	6 0 50 ^m 98 ^s	+36° 4' 45 ^{''} 0	Yarnall -2579	Jan. 2	+1 ^m 96 +1 ^m 93	"
16	5 54 22 ^m 45 ^s	+36° 11' 28 ^{''} 0	Anon. = 16 ^a { -5 ^m 57 ^s 66 ^{''} }	3	+2 ^m 06 +15 ^m 9	"
16 ^a	6 0 20 ^m 11 ^s	+36° 17' 6 ^{''} 5	"
17	5 51 47 ^m 39 ^s	+36° 16' 28 ^{''}	B. D. +36° 1317. Ref. to 15 ^a & 16 ^a	4	+2 ^m 07 +18 ^m 1	"